

CLAIMS

We claim:

1. A remote monitoring system, comprising:

an absence of water sensor for sensing the presence and absence of water in a pump outlet and producing alarm signals indicating the presence or absence of water at the pump outlet;

a Cellemetry® device for transmitting programmable messages concerning the status and location of the pump directly to a farmer's pager, cell phone or e-mail address at a remote location via the Cellemetry® wireless data communications network; and

a signal wire pair connecting a signal output of said sensor to a signal input of said Cellemetry® Device.

2. The remote monitoring system according to claim 1, wherein said absence of water sensor is self powered.

3. The remote monitoring system according to claim 1, wherein said Cellemetry® device comprises an Uplinksm DigiCell® 1500 Universal Alarm Transceiver.

4. The remote monitoring system according to claim 1, wherein said absence of water sensor is a GRI-2808 absence of water detector.

5. The remote monitoring system according to claim 1, wherein said Cellemetry® device comprises an Uplinksm DigiCell®

1500 Universal Alarm Transceiver; and said absence of water sensor is a GRI-2808 absence of water detector.

6. The remote monitoring system according to claim 1, further including an external power source providing power to said Cellemetry® device through a second wire pair.

7. The remote monitoring system according to claim 6, wherein said power source is a 12-volt battery.

8. The remote monitoring system according to claim 6, wherein said power source is a 12-volt power supply.

9. The remote monitoring system according to claim 2 further including an external power source providing power to said Cellemetry® device through a second wire pair.

10. The remote monitoring system according to claim 9, wherein said power source is a 12-volt battery.

11. The remote monitoring system according to claim 9, wherein said power source is a 12-volt power supply.

12. The remote monitoring system according to claim 3 further including an external power source providing power to said Cellemetry® device through a second wire pair.

13. The remote monitoring system according to claim 12, wherein said power source is a 12-volt battery.

14. The remote monitoring system according to claim 12, wherein said power source is a 12-volt power supply.

15. The remote monitoring system according to claim 4, further including an external power source providing power to said Cellemetry® device through a second wire pair.

16. The remote monitoring system according to claim 15, wherein said power source is a 12-volt battery.

17. The remote monitoring system according to claim 15, wherein said power source is a 12-volt power supply.

18. The remote monitoring system according to claim 5, further including an external power source providing power to said Cellemetry® device through a second wire pair.

19. The remote monitoring system according to claim 18, wherein said power source is a 12-volt battery.

20. The remote monitoring system according to claim 19, wherein said power source is a 12-volt power supply.